**CRTC** - Broadcast

Ottawa, 28 June 1993 **Public Notice CRTC 1993-95** 

### A LICENSING POLICY FOR LOW-POWER RADIO BROADCASTING

### A.Introduction

In Public Notice CRTC 1992-21, the Commission issued for public

comment a series of questions related to the establishment of a priority system for the licensing of low-power radio stations. The questions were designed to elicit comment that would assist the Commission in developing a policy to ensure that low-power frequencies be used for purposes that best fulfil the objectives of the Broadcasting Act.

Nine submissions were received in response to the public notice. While most of the submissions addressed the general questions concerning the establishment of a priority system for licensing low-power radio stations, only the Canadian Association of Broadcasters (CAB) and the National Campus and Community Radio Association (NCRA), responded to all or most of the questions, and suggested modifications to the Commission's proposed policy.

This notice summarizes the responses received to the various questions set out in the public notice, and sets out the Commission's licensing policy for low-power radio broadcasting. The Commission emphasizes that this policy does not apply to those persons operating lowpower radio operations that were specifically exempted from licensing in Public Notices CRTC 1993-44 (Temporary Resource Development Distribution Undertakings),

1993-45 (Limited Duration Special Event Facilitating Undertakings) 1993-46 (Ultra Low-Power Announcement Service Undertakings), 1993-47 (Carrier Current Undertakings Whose Services are not Carried on Cable Systems), or to those persons operating any other low-power radio undertakings that the Commission may exempt in the future.

### **B.Questions and Responses**

In its public notice, the Commission asked three general questions:

Should a system of priorities be devised as part of a licensing policy for low-power radio? What should be its elements?

In what order of importance should those elements be ranked?

The public notice then called for comments on five elements that might be included in a priority system. These elements are:

a)availability of frequencies,b)content of programming,c)correlation

between power and potential audience, d) duration of service, and e) availability of alternate means of delivery.

Finally, the Commission posed subsidiary questions relating to the implementation of a priority system, in particular, when to apply such a priority system, whether to issue calls for competing applications, the need for market studies, the use of rebroadcasters, and the need for a Promise of Performance. 1. The Need For a Priority System

Seven of the nine briefs received by the Commission addressed the general issue of whether the Commission should establish a priority system for the licensing of low-power radio stations. All considered that a priority system should form part of the policy for low-power radio, with priority given to conventional stations, including not-for-profit stations, over non-conventional or onedimensional services, such as tourist information services.

### 2. The Five Elements:

a)Availability of Frequencies

In the public notice, the Commission asked:

What should be the relative importance in a priority hierarchy of the availability of lowpower frequencies in any area?

Six submissions addressed this question. All considered that the availability of frequencies should be the primary consideration in such a system. Two of those argued that the availability of frequencies must be considered to ensure that sufficient spectrum is available for the establishment of not-for-profit campus, community or native stations.

b)Content

With respect to content, the Commission posed the following questions:

What should be the relative importance of content among the elements in a priority

hierarchy?

Should the various types of services (conventional, safety, traffic information, etc.) be ranked in order of public necessity and, if so, how? Which of the various types of undertakings should be allowed to provide commercial content? What types of commercial activity (conventional or sponsorship) should be permitted, and how much? Should there be a provision with respect to certain undertakings to ensure equitable opportunity for advertisers to have their messages broadcast?

Six parties expressed the view, in general, that conventional stations should have priority over one-dimensional services.

The NCRA stated that not-for-profit stations should be accorded top priority and that commercial broadcasters should be excluded from using low-power frequencies. The NCRA added that, even if the Commission were to decide to continue to license low-power conventional commercial stations, it should not licence for-profit, one-dimensional services.

The CBC considered that originating and rebroadcasting stations with programming aimed at a general audience should be given priority over one-dimensional services.

According to the CAB, the best way of resolving the question of priorities would be to establish two broad categories of undertakings. **Priority A** would encompass all

conventional stations, while one-dimensional services would fall into **Priority B**. Priority B stations could be divided further into two sub-categories, one for not-for-profit public services and the other for profit-oriented services.

With respect to the permitted levels of advertising, the CAB argued that the status quo should be maintained for not-for-profit stations and that private, profit-oriented services be the only ones in the **Priority B** category permitted to broadcast advertising. The CAB also considered that government-sponsored services should be financed entirely from public funds, and special events stations should be funded entirely by the sponsoring organization. For its part, the NCRA recommended that only conventional stations be permitted to have commercial content in their programming.

c)Correlation Between Power and Coverage

The Commission sought answers to the following questions:

What should be the relative importance among the elements in a priority hierarchy of transmitter power or coverage area?

What should be the appropriate power and coverage combination for each type of low-power undertaking?

Four briefs addressed these questions. There was a consensus among them for giving priority status to conventional stations and for limiting commercial one-dimensional services to very low-power operation.

One submission considered that, in remote areas, conventional commercial broadcasters should be allowed to use Low-Power AM (LPAM) or Low-Power FM (LPFM) frequencies because there would be no need to use more power to reach the potential audience.

d)Duration of Service

The Commission asked:

What should be the relative importance among the elements in a priority hierarchy of duration of service?

Two briefs addressed the issue. The NCRA considered that not-for-profit broadcasters should not be penalized if they offered less than full-time service. The CAB, however, maintained that duration of service should be considered on a case-by-case basis in areas where channels are scarce.

e)Availability of Alternate Means of Delivery:

The Commission asked:

What should be the relative importance in a priority hierarchy of the availability of alternative means of delivery?

The briefs that addressed this issue argued that one-dimensional, profit-oriented services should be required to demonstrate that low-power AM and FM radio frequencies are the only possible means of providing the type of service they propose.

### C.The Commission's Policy -- Introduction of a Priority System for Licensing Low-Power Radio

The submissions revealed a consensus on the need to establish a priority system as part of a licensing policy. Such a system would give priority to conventional broadcasting services over one-dimensional services, such as those providing tourist information services, and would apply in areas where there is a scarcity of frequencies. The Commission also considers that not-for-profit

stations should reasonably be accorded precedence.

The Commission therefore establishes the following priority system for the licensing of low-power radio undertakings. The priority system will generally be applied in areas that the Commission has previously identified as those where available frequencies are scarce on the basis of the projected FM frequency requirements of the CBC, private commercial, educational, community and campus broadcasters. These areas are Vancouver/Victoria, Montreal and surrounding area and Southern Ontario. When considering competing applications for the use of low-power frequencies in these areas where such frequencies are scarce, the Commission will generally give priority to conventional broadcasting services (Priority A) over one-dimensional services (Priority B). Moreover, the Commission will generally attach to the various types of services falling within the two priority groupings a priority that corresponds to their relative ranking within each, as set out below:

Priority A Services:

- 1)Originating conventional not-for-profit radio services (e.g. community, campus and native):
- 2)Originating conventional for-profit radio services (private commercial broadcasters, including ethnic);
- 3)Rebroadcasting transmitters of local stations rebroadcasting within the station's contour;
- 4)Rebroadcasting transmitters of distant signals (the CBC will have priority within this sub-group of Priority A services).

**Priority B Services:** 

- 1)Not-for-profit public information services (e.g. traffic or weather information services);
- 2)Commercial announcement services.

The following three factors may also be considered by the Commission in its evaluation of competing applications of the same type for the same low-power frequency. The Commission realizes, however, that the relative importance of each of these factors may vary depending on the type of service proposed. Such importance will be assessed on a case-by-case basis. The correlation between power and potential audience: Generally speaking the Commission will consider that the larger the audience served by the undertaking, the higher the priority it should be accorded.

The duration of service: the longer a proposed service is to be on the air (whether on a daily, weekly, monthly or yearly basis), the more valuable it generally will be deemed to be.

The availability of alternate means of delivery: non-conventional services that can be delivered effectively only through use of a broadcasting frequency will generally be considered to have a higher priority than those that can be provided by alternate means, such as through the use of roadside signs or newspapers.

### Subsidiary Issues

### 1. Application of the Priority System

In its public notice, the Commission asked:

Should a priority system be applied at the time of the licensing decision, at the time of renewal, or at the time the undertaking with the higher priority goes on air?

Only the CAB responded to this question. It considered that it would be neither practicable nor desirable for the Commission to alter the priority status of operations that have already been licensed. It therefore recommended that, once licensed, a station should not have to change frequency or be obliged to cease operation because of the licensing of another undertaking that, under Commission policy, might have had a higher priority.

The Commission agrees. It will therefore apply the priority system only in assessing new applications competing for use of the same frequency. 2.Calls and Market Criteria

The Commission asked the following questions:

Should the Commission issue a call for competing applications in the case of applications for low-power undertakings, and, if not generally, under what circumstances? Should [the] process and criteria [in Public Notice CRTC 1991-74] be applied to low-power undertakings? The CAB and the NCRA addressed these issues and expressed differing views. On the question of whether there should be calls for competing applications, the NCRA considered that there is no need to issue a call for a drop-in frequency unless two or more applications proposing not-for-profit services, and seeking use of the same frequency, are filed with the Commission. Further, it recommended that commercial broadcasters and non-

conventional services should be excluded from competing for an identified drop-in frequency with

applicants proposing not-for-profit operations.

The CAB, for its part, however, considered that whenever any application is received for a LPFM in a geographic area where frequencies are scarce, the Commission should issue a call for competing applications.

With respect to the Radio Market Criteria, the NCRA considered the criteria should not be applied in assessing applications by those proposing new low-power undertakings because the criteria are not relevant to not-for-profit broadcasters. The NCRA added, however, that if the Commission wished to establish criteria for low-power community radio undertakings, a limit based on population should be considered (e.g. no more than one such undertaking should be licensed for each 100,000 residents of an area). The CAB argued that those seeking licences for ethnic undertakings, or for undertakings that would be not-for-profit, should be subject to the Radio Market Criteria because they are allowed to broadcast advertising.

In light of its policy determination to apply a priority system in assessing competing applications proposing new, low-power radio services, and only in relationship to each other, it will be necessary for the Commission to issue a call upon receipt of any completed application. It further considers that its decision to grant the highest priority to not-for-profit undertakings should alleviate concerns expressed by the NCRA that those seeking licences to operate such undertakings would otherwise face a disadvantage in competing with commercial broadcasters for low-power frequencies.

The Commission will therefore issue calls for competing applications upon receipt of any and all complete applications for licences to carry on low-power undertakings in areas where frequencies are scarce (as identified above). The receipt of applications proposing a service in areas where frequencies are not scarce will not trigger such a call.

The Commission recognizes the concerns expressed by the CAB about the impact of new low-power stations on the revenues of commercial radio stations. It notes, however, that the radio market criteria have not been applied to not-for-profit stations in the past, and it does not wish to implement a policy that would unnecessarily inhibit the development of this sector of radio broadcasting. The Commission is also satisfied that the impact of any new not-for-profit, low-power stations on the revenues of commercial radio stations would be limited. The Commission will therefore apply the radio market criteria only to new commercial (for-profit) low-power radio undertakings; non-conventional services will be excluded from application of the market criteria.

### 3.Rebroadcasters

The Commission asked:

Should the Commission continue to consider applications for the use of low-power transmitters to rebroadcast the programming of existing undertakings? Under what circumstances should it do so, for instance, in cases where technical problems limit coverage within an undertaking's licensed service area?

Three submissions addressed the issue.

Both the CBC and the CAB considered that the Commission should continue to authorize the licensees of existing stations to establish rebroadcasting transmitters, and that a lower priority should be given to rebroadcasters of distant signals than to rebroadcasters of local stations proposed for the purpose of solving coverage problems.

The NCRA considered that, as a rule, new rebroadcaster transmitters of existing commercial services should not be permitted, other than in mountainous areas where the applicant is licensed to serve a region or a number of small communities. In such cases, the applicant should have to demonstrate that there is no alternative but to install a rebroadcasting transmitter to provide its service and that there are other frequencies available for use in the area to allow the establishment of future not-for-profit stations.

The Commission supports the view that rebroadcasters of local services designed to alleviate coverage difficulties should have a higher priority than rebroadcasting transmitters for non-local services, and this has been incorporated into the priority system set out earlier in this document.

### 4.Applications for Multiple Low-Power Frequencies for Non-Conventional Use

In its policy proposal, the Commission described a situation where one or more applicants might propose to employ several low-power frequencies for non-conventional use, thereby exhausting the frequencies available in a particular area. It then posed the following question:

How could the relative merits of the types of proposals described above be assessed in

a priority system?

The CAB addressed this matter and suggested that there should not be a separate process developed for such a situation.

The Commission agrees, and will deal with such applications using the priority system set out earlier. To the extent that the applications have features not contemplated in this notice, the Commission will proceed on a case-by-case basis.

### 5. Competitive Non-Conventional Services

In its public notice, the Commission asked:

Should the Commission's licensing policy for low-power radio preclude the licensing of competitive, non-conventional services?

Three submissions addressed the issue.

The NCRA and the licensee of a campus radio station considered that the Commission should not grant licences to competitive, non-conventional services, while the CAB indicated that such licensing should be permitted if the applicant can demonstrate both a need and commercial viability.

The Commission appreciates that over-licensing of competitive non-conventional services in areas where frequencies are scarce could lead to congestion of the radio band and hinder the future development of conventional low-power radio services. However, in areas where there is a relative abundance of frequencies, there would seem to be little reason to exclude, out of hand, the possibility of competitive non-conventional services. The Commission further notes that non-conventional services will be given a lower priority than conventional services under the system outlined earlier in this document.

The Commission will therefore consider the licensing of competitive non-conventional commercial services on a case-by-case basis. In areas where there is a scarcity of frequencies, the priority system outlined earlier in this document will be applied.

6.Use of the Extended AM band

The Commission asked:

To what extent might some of the services currently being contemplated for low-power undertakings be accommodated on the newly extended upper portion of the AM band? The NCRA, the CBC and the CAB agreed that some non-conventional public announcement services, such as those that provide information to tourists and motorists, should be accommodated on the extended AM band.

While noting the position expressed in these submissions, the Commission considers that it is too early to gauge the eventual demand for use of the extended portion of the AM band. It is possible that the extended AM band will represent a better alternative for a conventional broadcaster than use of LPAM or LPFM facilities. The Commission therefore considers it premature to support the move of some non-conventional services to the extended AM band. It will delay announcement of any determination on this question until an evaluation of the potential impact of such a move is completed.7. Application of the Radio Regulations,

### 1986 (the regulations) and/or Promises of Performance

The Commission asked the following questions:

To what extent should the provisions of the regulations be applicable to the various types of low-power programming undertakings?

To what extent should such low-power undertakings be required to comply with a Promise of Performance?

Five submissions addressed these questions.

The NCRA considered that basic licensing requirements create legitimacy for not-for-profit operations and should thus be maintained, but with enough flexibility for programming to develop. The NCRA also stated that, should the Commission decide to licence commercial broadcasting undertakings in the LPFM band, they should be subject to all regulations and requirements governing full-power commercial broadcasting.

The CBC recommended that low-power stations broadcasting travel and traffic information announcements as a public service should be relieved of the requirement to maintain logs and recordings of material that is broadcast.

The CAB considered there to be no need to change the requirements for campus/community, instructional and ethnic stations, but that the Commission should allow more flexibility in the case of non-conventional programming undertakings.

One campus radio station licensee urged the Commission to maintain the Promise of Performance and other requirements in the case of competing low-power undertakings. The Canadian Independent Record Production Association considered that the regulations, especially their requirements for Canadian content, should also apply to low-power undertakings that provide conventional programming services.

The Commission considers that the regulations should apply to the licensees of conventional low-power undertakings since they offer programming that is similar to that of higher-power

conventional stations. It further considers that it is appropriate to require licensees of conventional low-power FM stations to submit Promises of Performance. In the case of non-conventional services, it might not be appropriate to apply all of the regulations or require Promises of Performance. However, the Commission considers that a condition of licence should be attached to the licences of non-conventional stations to ensure that they do not change their programming and begin to offer services identical or similar to those of conventional licensees, without prior Commission approval.

The Commission will therefore generally require licensees of conventional low-power radio stations to adhere to the regulations, unless otherwise specified by condition of licence, and will require the licensees of conventional low-power FM stations to file Promises of Performance. The question of whether to require adherence to the regulations by the licensees of non-conventional services will be considered on a case-by-case basis. In addition, licensees of non-conventional low-power undertakings will be subject to a condition of licence that defines their programming in such a way as to ensure that they do not change their programming and begin to offer the same services as conventional licensees without Commission approval.

Allan J. Darling Secretary General

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CHANNEL FM BROADCAST STATIONS

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The coverage and interference of seven Los angeles area FM broadcast stations are analyzed. The area and population coverages predicted by the FCC methods described in the rules are compared with a method that considers the intervening terrain in some detail. We also show that the criteria for deciding second-adjacent-channel interference threshold of -50 dB (rather than the present -20 dB) adequately protects modern receivers, based on data available in FCC filings and on the performance of these stations. We believe the techniques used in this analysis could be widely applied, and would result in more efficient spectrum use.

### INTRODUCTION

The FCC Rules and Regulations require FM broadcast stations which operate on second-adjacent-channels (400 kHz frequency separation) to have their transmitters separated from each other by at least a minimum distance. For example, the rules require second-adjacent-channel Class A and Class B stations to be separated by 40 mi (64.4 km). In developing the rules, the FCC assumed:

- 1) full facility stations for all assignments,
- average terrain conditions to compute coverage and interference, and
- 3) existence of interference to receivers when the second adjacent channel field strength exceeds the desired signal field strength by 20 dB (i.e., a signal-to-interference ratio (S/I) = -20 dB).

In reality, these assumptions are not always true. We believe that:

- most stations have operating characteristics that differ from the FCC's definition of a "full facility" station (see Table 1),
- actual terrain features affect both signal coverage and interference, and
- an modern good-quality FM broadcast receivers can maintain a 30 dB audio signal-to- of its interference ratio even when second- adjacent (i.e. alternate) channel interference is 50 dB or more above the desired signal.

Table 1. Full Facility or Maximum Facility

Parameters for FM Broadcast stations

" mark"

Effective Height above radiated power acceptance (ERP), kw (HAAT), ft (meters)

4:5

Class B 50 270 1000 (91.4) 2010 Class C 100 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010 (2000 (609.6) 2010

The Los Angeles basin FM broadcast market provides an important example of an area where second-adjacent-channel stations currently operate with mileage separations less than those specified by the FCC rules. We will consider an area within 40 mi (64.4 km) of Mount Wilson, the site of many Los Angeles Class B transmitters. Within this area, we have identified 46 Class A and Class B stations that are in the FCC's 1979 FM broadcast data base. Of these 46 stations, there are 28 that currently have transmitters operating on a second-adjacent channel of another station and within the minimum date separation distance of the FCC rules.\* If both the FCC's current interference criterion and the FCC's 12 methods for computing coverage and interference are correct, then there should be a considerable amount? of interference among these 28 stations. We talked to several of the station managers whose stations '9' should be experiencing interference, according to "bo the FCC rules. However, none of the station managers we contacted knew of any interference problems nor had they received any complaints from home listeners within their coverage areas. We realize that the consumers' interpretation of interference is subjective. It is possible that consumers: 4 301.2

- do not recognize the interference as coming from a second-adjacent-channel station, but have learned to tolerate it, or
- 2. can neither recognize the interference nor tolerate it, so they have moved to a different part of the FM band, or
- have receivers that sufficiently reject the second-adjacent-channel interference.

Because of a lack of reported interference, we believe the third situation to be more likely than the first two.

### COVERAGE COMPARISONS

In this paper, we will demonstrate two different methods for computing signal coverage and interference; in addition, we will use two different thresholds for receiver interference. From the 28 % 1787 second-adjacent-channel Los Angeles basin FM assignments we will consider seven whose antenna and locations are shown in Figure 1 and whose station "" operating characteristics are given in Table 2. FM radio stations KNXFM and KMET are Class B stations 00 with their antennas located on or near Mount Wilson whose height is about 5600 ft (1706.9 m) above mean sea level (AMSL). Radio station KZLA is also a Class B station with its antenna located near Flint Peak whose height is about 1600 ft (487.7 m) AMSL. Station KNTF is a Class A station serving Ontario;

\*These stations were evidently in operation (grandfathered) when the rules were implemented.

To the rest of a November 1985

on of take a comment

Channe	l Call Sign	Class 28	Principal City	ERP (kw)	HAAT (ft)	Distance to Closest Second-Adjacent-Channel Transmitter (mi)
226	KNXFM	ode B Sou	Los Angeles	TEALED 54	3040	28.8 (KNTF)
228	KNTF	A	Ontario 🔭 🗈	3	-165	28.8 (KNXFM)
228	KFOX	A	Redondo Beach	3	175	21.7 (KZLA)
230	EN TRACE KZLA	e fight for the filter on the Boundaries	Los Angeles	49	720	10.8 (KGIL)
∌≠1232	of a serie kgil - to 1		San Fernando		-180	18.0 (KZLA)
232	корт	A A	Garden Grove	3 سنان در	245	26.5 (KZLA)
	KMET A	wa" <b>B</b>	Los Angeles	X 8 58	2830	22.0 (KGIL)

its antenna is located at about 800 ft (243.8 m)
AMSL in the foot hills to the north of Ontario.
Station KFOX, a Class A station serving Redondo
Beach has its antenna located near the ocean on the
side of a 450 ft (137.2 m) AMSL hill south east of
Redondo Beach. Station KGIL-FM, Class A, serves San
Fernando and has its antenna located almost in the
center of the San Fernando valley. Finally, KORJ,
another Class A station, serves Garden Grove; its
antenna is located in Garden Grove at about 100 ft
(30.5 m) AMSL. None of these stations uses a
directional antenna in the horizontal plane to
modify their coverage.

In the comparisons that follow, we will compute the station's field strength contours by:

- 1) using the traditional FCC methods , and
- using an improved method that includes terrain effects.<sup>3</sup>

Also, we will compute the receiver's interference by:

- 1) using the present second-adjacent-channel interference threshold of S/I  $\approx$  -20 dB, and
- ., 2) using a more realistic second-adjacentchannel interference threshold of S/I = -50 dB for a good-quality receiver.

The minimum field strengths to be protected from interference have been defined by the FCC as the field strengths available at 40 mi (64.4 km) from a full facility Class B station operating over average terrain and at 15 mi (24.1 km) from a full facility Class A station. The FCC has propagation charts for the FM broadcast band that are used to compute field strengths from desired and interfering FM stations. The charts give field strengths calculated for:

- 1. desired stations at 50 percent of the locations and 50 percent of the time, and
  - interfering stations at 50 percent of the locations and 10 percent of the time.

From the FCC propagation charts, the field strengths at the specified distances are equal to 55 dB $\mu$ V/m from full-facility Class B stations and 59 dB $\mu$ V/m from full-facility Class A stations.

The field strength from a second-adjacent-channel station is not to exceed the desired field strength anywhere within the protected contour by more than 20 dB; i.e., the second-adjacent-channel interference threshold is a signal-to-interference (S/I) ratio equal to -20 dB. Thus, whenever the signal from the undesired second-adjacent-channel station is 20 dB more than that of the desired station, interference is supposed to occur in the receiver. However, recent receiver data have become available that indicate a -50 dB S/I to be a more reasonable threshold.

Figure 2 compares the different methods of predicting the coverage of station KNXFM and the interference from second-adjacent-channel assignments KFOX and KNTF. In the plots, V is the location of the desired or Victim station and I is the location of an interfering station operating on the second-adjacent channel. Figure 2a shows the 55 dByV/m coverage (solid contour line) of KNXFM and a shaded region of interference within the contour predicted using the regulation FCC methods and an interference threshold of S/I = -20 dB. The total computed area and population within the coverage contour and interference region are given on the plots. Figure 2b shows the effect of changing the interference threshold to S/I = -50 dB. This is closer to the level that we believe most receivers in use today can tolerate without experiencing significant degradation beyond that implied by the

In Figure 2c, the coverage of KNXFM has been plotted using propagation prediction methods that take into account the terrain in different directions around the station, but the interference threshold is kept at S/I = -20 dB. In Figure 2d, the coverage using the improved method is plotted along with the area of interference assuming a S/I  $^{\pm}$  -50 dB threshold. As can be seen from this figure, the terrain contours affect the coverage of the station, and the S/I = -50 dB threshold more closely agrees with the lack of reports of poor quality service from the area stations.

In Figure 3, we have plotted the comparisons of the 55 dBµV/m coverage of KZLA and interference from stations near it. Station KZLA is located in a region of low elevation relative to KNXFM of the previous plots. Consequently, its coverage area is affected more by the hills and mountains that surround it. In (a) of Figure 3 the coverage is determined by the FCC propagation curves. Station KZLA has 4 stations within 40 mi (64.4 km) of it

erating on second adjacent channels. These extions are shown in the plots (as I's) and create aredicted interference shown as shaded areas. In (b) of Figure 3, the interference threshold was Closes changed to S/I = -50 dB which reduced the area of ant-Chann interference and the predicted number of people r (mi) affected from close to four million to around 150,000 -

> Figure 3c shows the effects of intervening terrain on the coverage and interference. Finally, in Figure 3d, terrain-dependent prediction methods are combined with a lower interference threshold to present what we believe to be more accurate plot of coverage and interference for KZLA.

As an example of a low power station, we have plotted coverage of KGIL, which is located in the San Fernando Valley. This station has two secondadjacent-channel stations (KZLA and KMET) operating within 40 mi (64.4 km) of its antenna. Figure 4 shows KGIL coverage and interference regions. In (c) and (d) of Figure 4, it is evident that KGIL covers the valley region quite well. This was determined by comparing the coverage contour with a topographic map of the area. Because of the reduced coverage due to the combination of power, antenna height, and terrain shielding, there is little interference with the two second-adjacent-channel stations predicted.

### CONCLUSIONS AND RECOMMENDATIONS

This paper has two conclusions:

1) current FCC second-adjacent-channel separation requirements for FM broadcast stations are overly protective, and

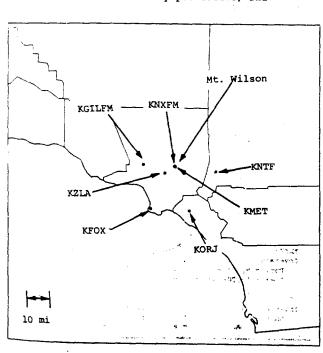


Figure 1. Los Angeles basin FM broadcast

assignments on channels 226 to 234. olid gentour, showing intent-wence the contract of the contrac the plots surrent realists (strategy) The many profession of the profession of the contract of the c west stiller alle on aviewymining 2% Continue to mississification and from reserve threshold value

2) terrain-dependent algorithms more accurately predict the coverage of FM broadcast signals and interference than present FCC methods. We have demonstrated the effects on the predicted areas and populations receiving coverage and interference when a) the second-adjacentchannel interference thresholds are changed to more realistic values, and b) the propagation algorithms are changed to include terrain effects.

We recommend that measurements be made on a wide variety of FM receivers to substantiate suitable receiver interference thresholds. We also recommend that a terrain-dependent method be developed as a replacement for the present FCC method for computing the areas and populations covered by stations.

The adoption of these recommendations may lead to revised planning criteria for FM that wuld allow more FM stations in major markets with no sacrifice in quality of FM performance. 

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- 3. G.A. Hufford, "Techniques for the Evaluation of Proposed TV Drop-Ins", Department of Commerce, OT Report 77-112, 1977. (Available from Department of Commerce, NTIS Access. No. PB271212-AS)

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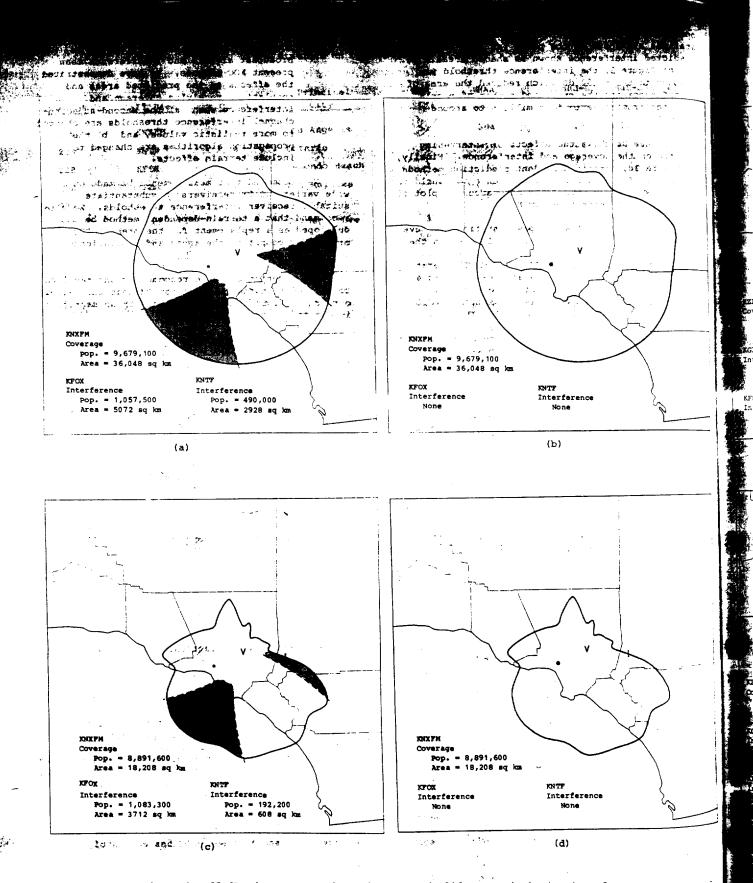


Figure 2. 55 dBµV/m coverage of station KNXFM (solid contour) showing interference areas (shaded). The plots in (a) and (b) were determined using the FCC propagation curves for predicting interference and coverage while (c) and (d) were determined using the terrain sensitive ITS propagation model.

The plots in (a) and (c) use a S/I = -20 dB interference threshold while (b) and (d) use a S/I = -50 dB threshold.

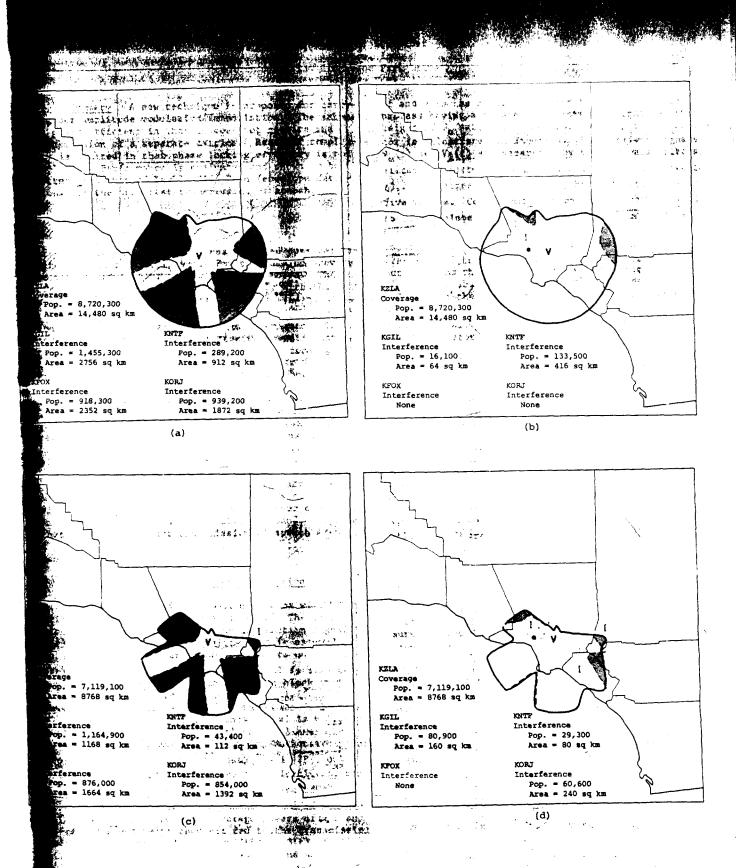
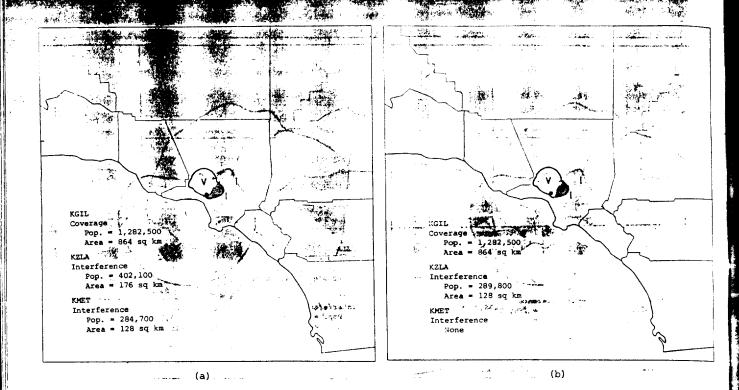


Figure 3. 55 dBuV/m coverage of station KZLA (solid contour) showing interference areas (shaded). The plots in (a) and (b) were determined using the FCC propagation curves for predicting interference and coverage while (c) and (d) were determined using the terrain sensitive ITS propagation model. The plots in (a) and (c) use a S/I = -20 dB interference threshold while (b) and (d) use a S/I = -50 dB threshold.

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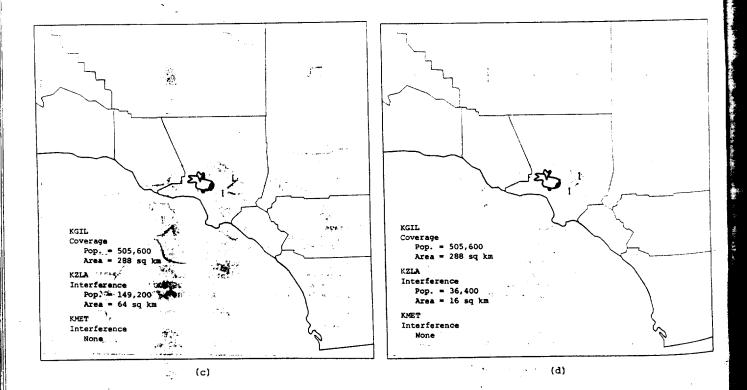


Figure 4. 55 dBµV/m coverage of station KGIL-FM (solid contour) showing interference areas (shaded). The plots in (a) and (b) were determined using the FCC propagation curves for predicting interference and coverage while (c) and (d) were determined using the terrain sensitive ITS propagation model. The plots in (a) and (c) use a S/I = -20 dB interference threshold while (b) and (d) use a S/I = -50 dB threshold.

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FEDERAL COMMUNICATIONS COMMISSION 1919 M STREET, N.W.

WASHINGTON, D.C. 20554

News media information 202/418-0500 Fax-On-Demand 202/418-2830 internet. http://www.fcc.gov ftp.fcc.gov

Released: August 5, 1997

FEDERAL-STATE JOINT BOARD ON SEPARATIONS TO HOLD OPEN MEETING AT 10:00 A.M. ON FRIDAY, AUGUST 8, 1997

CC Docket No. 80-286

The Federal-State Joint Board on Separations will hold an open meeting on Friday August 8, 1997, beginning at 10:00 a.m., in Room 856 at 1919 M Street, N.W., Washington, D.C. The Separations Joint Board will hear from two panels of experts who will discuss approaches for separations reform in light of the current telecommunications environment. The panel topics will be:

Panel 1: Debate - Is Jurisdictional Separations Still Legally Required, in Light of the Numerous Regulatory and Technological Changes Since Smith v. Illinois Bell?

Panel 2: Implications for Jurisdictional Separations of Changes in Access Charges and Universal Service Support Mechanisms.

Action by the Commission on August 4, 1997, Chairman Hundt and Commissioner's Quello Ness, and Chong.

Common Carrier Contacts: Connie Chapman, 202-418-0885, or Debbie Byrd, 202-418-0834.

FCC-

Federal Communications Co

Before the Federal Communications Co Washington, D.C. 205

In the Matter of

FCC 97-275

Grandfathered Short-Spaced FM Stations

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REPORT AND ORD

Adopted: August 4, 1997

By the Commission:

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### INTRODUCTION

C.F.R. § 73.213(a), which currently sets forth how stations authorized prior to November 16, 1964, that did not meet the separation distances required by 47 C.F.R. § 73.207, and have remained short-spaced since that time, may modify operating facilities. The Notice proposed changing three specific aspects of Section 73.213(a). The rules adopted in this Order permit the utmost in flexibility for this class of and revisions to the rules for pre-1964 grandfathered short-spaced FM radio broadcast stations to streamline the current method of proposing modifications to existing facilities. The Notice also responded to a "Joint Petition" for rule making filed February 1, 1991, by the firms of Hatfield and Dawson; du Similar changes. In the Notice, we proposed revisions to our broadcast regulations to re-examine 47 grandfathered FM stations while maintaining the technical integrity of the FM band by preventing 1. In the Notice of Proposed Rulemaking ("Notice") in this proceeding, we proposed clarifications

regulatory regime, group owners and independent licensees have new reason to review their current facilities status under FCC rules." The majority of the remaining commenters either support or otherwise NAB stated that the grandfathered short-spaced stations "deserve a long-delayed, but measured opportunity to modify and improve their own facilities," and that "...there are new dynamics in the radio marketplace, brought about by the Commission's newly-revised ownership rules. Under this revised Notice differed in several aspects from what the Joint Petitioners' proposed. In response to the Notice, Association of Federal Communications Consulting Engineers ("AFCCE") "strongly supports the concept of replacing the awkward and difficult procedure in the present Rule..." The National Association of 2. The proposals in the *Notice* generally received widespread support in the 29 comments and 22 reply comments received. The Joint Petitioners generally support the rule changes for each Proposal and "applaud the Commission's proposal to consider interference areas rather than contour overlap." The Broadcasters ("NAB") was generally opposed to the Joint Petitioners' original request. However, the

# SUMMARY OF NOTICE PROPOSALS

the proposed rule changes, which were intended to eliminate unnecessary regulations and provide grandfathered stations with increased flexibility to change transmitter location or modify their existing 3. On May 23, 1996 we initiated this proceeding through the adoption of the Notice setting forth

(1) replace the current Section 73.213(a) restriction on extending the 1 mV/m contour with straight-forward interference showings based on the desired to undesired signal strength ratio ("D/U ratio") method for grandfathered co-channel and first-adjacent channel short-spaced stations;

## Federal Communications Comm

- short-spaced stations; and (2) eliminate both the second- and third-adjacent channel sp
- (3) eliminate the need to obtain agreements by grandfa

# RESOLUTION OF INDIVIDUAL PRO

### Proposal I

- to change transmitter location or station facilities, based on a show revise Section 73.213(a) to permit co-channel and first-adjacent chann grandfathered co-channel and first-adjacent channel short-space interference showings based on the desired-to-undesired signal stre Replace the current Section 73.213(a) restriction on
- population; (1) there must be no increase in either the total predicted
- grandfathered short-spaced station; and, (2) there must be no increase in interference caused b
- interference has adequate service remaining. Adequate service (3) applicants must demonstrate that any new area predic
- F(50,50) field strength. The *Notice* also sought comment on an alter both interference caused and interference received to be individually the undesired (interfering) F(50,10) field strength exceeds a value 6 strength exceeds a value 20 dB below the desired (protected) F(50,50) f interference would be predicted to exist at all locations within the desir locations within the desired station's coverage contour where the un strength ratio analysis and the standard F(50,50) and F(50,10) propa 73.333 of our rules. The *Notice* proposed that co-channel interference The areas of interference are to be determined using the The Notice proposed that co-channel interference

See Grandfathered Short-Spaced FM Stations in MM Docket 96-120, 11 FCC Rcd 7245, 61 Fed. Reg. 33,474

prior to November 16, 1964, that did not meet the separation distances required by the later adopted Section 73,207 and have remained continuously short-spaced since that time <sup>2</sup> Throughout this order, the term "grandfathered stations" refers only to those FM stations at locations authorized

Appendix B contains a list of commenters and reply commenters.

<sup>\*</sup> Total predicted interference is the sum of all interference caused and rece

Muagorda, New Ulm, Point Comfort, Rollingwood, Rosenberg, and Seadrift, To Order, Bay (in), Brenham, Cameron, Centerville, Edna, Ganado, Giddings, Aural services consist of AM broadcast stations and FM broadcast stati

### Comments & Discussion:

6. General: Of the parties providing initial and reply comments on this proposal, most agree that the current rule is too vague and restrictive, and that it should be replaced with an equitable rule that is for grandfathered. The rule we adopt herein accomplishes this result. It allows maximum flexibility for grandfathered stations, while maintaining or reducing interference, and provides a minimal filing provides greater flexibility to stations now thwarted by the current "no extension of the 1 mV/m contour" rule in Section 73.213(a). The current rule in Section 73.213(a) has been proven to be overly restrictive, ineffective in controlling interference, and difficult to administer. The requirements set forth in the new to more efficient use of the FM broadcast spectrum. Several commenters suggested slight modifications to the original Proposal 1 as presented in the Notice. We discuss those suggestions below.

- 7. Contour overlap vs. predicted interference. AFCCE and other commenters generally support concur that the ratio method is the most appropriate method of determining areas of interference ratios. We grandfathered stations. We do not agree with Mullaney Engineering. Inc.'s ("Mullaney") assertion that overlap is an effective method to demonstrate compliance with niles aimed at preventing interference, effective in controlling interference when prohibited overlap already exists. We remain convinced that evaluated in terms of interference when prohibited overlap already exists. We remain convinced that evaluated in terms of interference (D/U ratio) rather than overlap. Therefore, we will require that all analysis.
- 8. Mullaney also suggests that we protect all classes of grandfathered stations to the 1 mV/m (60 54 dBu contour. The spacing requirements set forth in Section 73.207 generally provide protection to the contour for Class B stations, to the 57 dBu contour for Class B1 stations, and to the 60 dBu and the 57 dBu contour as the protected contours for all Class B1 stations, and to the 60 dBu and the 57 dBu contour as the protected contours for all Class B and Class B1 commercial stations in MM stations could result in a disruption of service for some Class B and Class B1 commercial a grandfathered short-spaced station being protected to two different contours: the 60 dBu contour with other short-spaced station. This would add unnecessary confusion and complexity with no apparent benefit. Therefore we will not implement this suggestion.

- 9. Interference areas: The Joint Petitioners agree that it consideration for co-channel and first-adjacent channel modification not be increased. However, several commenters felt that the interfer in the Notice should be modified. The Joint Petitioners and AFCC increases in received interference if it can be shown that there is no Communications Technologies, Inc. ("CTI") believes that considering contour exceeds the licensed 60 dBu contour as an area of receives station will most likely achieve an increase in service in that directions consideration should be that of interference caused, not interference.
- is not in the public interest. Interference caused and interference recoin. Both represent an inefficient use of the spectrum. Thus, we re interference received beyond the current service contour of a propost there is a need for some flexibility. For this reason, we do not preceived, provided it is offset by a decrease in interference caused, interest objective of maintaining or reducing the total amount of interference of requiring interference caused and interference received to be and we reject that alternative. See Notice, para. 16.
- caused should be permitted when a net reduction in interference of grandfathered stations to an increase in interference, without offsetting stations to increase interference caused would result in diminished se degradation of the overall quality of FM service. Therefore, we winterference caused.
- aural broadcast services within that area not be onerous. Therefore, we will require that any application causing o As most areas are likely to be well served, as noted by the commenters, can assure a minimal effect on service to the public when interference i in populated areas previously receiving interference-free service. By rethat previously received interference-free service must demonstrate the of 100 square kilometers. A lateral move by such a station could por grandfathered short-spaced stations that are predicted to cause or rece stations, we nonetheless note that the areas of co-channel and first-adjac In the Northeastern United States and California, there are several cogenerally agree that it is likely that several other broadcast service interference areas are small and most grandfathered stations are in well of interference have at least five remaining AM and/or FM statio demonstrate that any areas previously receiving interference-free servi Petitioners believe that demonstration of adequate remaining service 12. The Notice proposed that co-channel or first-adjacent cha
- 13. Barnstable Broadcasting, Irc. ("Barnstable") suggests that an a modification that would potentially extend interference toward any formal notice of the proposed modification..." to the effected station. With the proposed modification of the effected station. With the participation of the proposed modification filing under our current participation by additional parties is necessary to reach a decision on whether the participation of the proposed participation of the proposed modification of the proposed modification of the proposed modification of the proposed modification."

<sup>&</sup>lt;sup>b</sup> By way of background, 47 C.F.R. § 73.215 is typically used by non-grandfathered commercial stations that propose short-spaced facilities. This rule section requires the complete absence of prohibited contour overlap, thereby preventing the creation of new areas of interference. However, unlike the proposed Section 73.213(a), Section 73.215 is rarely used by stations currently causing interference.

See Memorandum Opinion and Order, Board of Education of the City of Atlanta, 11 FCC Red 7763, Footnote 1.

<sup>\*</sup>See Report and Order, Amendment of Part 73 of the Commission's Rules to Permit Short-Spaced FM Station Assignments by using Directional Antennas, 4 FCC Rod 1681, 1687 (1989).

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the proposed rules should be granted. Modification applications are all given file numbers, entered into our databases, and released on public notice indicating the receipt of the application. This provides sufficient notice of the filing of an application. Cenerally there will be sufficient time between the date of the public notice and the grant of the application to permit the filing of informal objections. Therefore, we will not require stations to provide notification to a potentially affected station.

of interference and more emphasis placed on the population affected by the interference. He asserts that to this view, AFCCE does not favor including a population affected by the interference. He asserts that to this view, AFCCE does not favor including a population consideration into the rule. AFCCE states that the present rule does not require any such consideration, and believes its inclusion in any adopted rule is providing flexibility while maintaining the technical integrity of the FM band. Failure to consider the applications proposals on area and population would be imprudent. Each year, we receive numerous around their service contours. By maintaining or reducing areas and population require interference, Proposal 1 to include exhibits based on interference areas and the associated populations.

15. CII recommends that we suggest a specific methodology to be followed when calculating the population affected by interference. We will continue to accept the widely used uniform distribution methodology set forth in 47 C.F.R. § 73.525(e) for calculating population. In addition, because the Census Bureau recognizes the Block Centroid Method as a more accurate calculation method, we will also accept this method. In resolving disputes, we will rely on the most accurate method presented.

16. Additional suggestions: CTI suggests that any grandfathered applicant proposing to modify submit an interference analysis, assuming the average contour distance does not exceed that of its licensed registration procedures. We do not believe that such a rule would be appropriate. First, CTI proposal the Contradict our conclusion in Appendix C of the Report and Order. In the Matter of Streamlining Appendix C stated that any modification of coordinates necessary as a result of the anterna structure registration procedures would require the filing of a construction permit application, regardless of the parameters will be handled on a case-by-case basis. We did not make special exceptions for any group applicants shows that modifications usually entail changes in several technical parameters and seldom applicants shows that modifications usually entail changes in several technical parameters and seldom

Section 73.525(e) specifically states that "the number of persons contained within the predicted interference area will be based on data contained in the most recently published U.S. Census of Population and will be determined by plotting the predicted interference area on a County Subdivision Map of the state published for the Census, and totalling the number of persons in each County Subdivision ... contained within the predicted interference area."

"Section 73.525(e)(2)(iv) states that "[a]t the option of either the NCE-FM applicant or an affected TV Channel station which provides the appropriate analysis, more detailed population data may be used." We note that the U.S. Census Bureau has verified that the block centroid retrieval methodology is a more accurate means of determining population within a given area than the uniform distribution method. See the October 9, 1992 Letter from Chief.

Audio Services Division to Larry H. Will, reference No. 1800B3-ESR.

involve only a relocation within 500 ft. of the previously license rule CII proposes would cause confusion and unduly complicate We will, however, routinely grant requests for waiver of the interin Sections 73.213(a)(1) and 73.213(a)(2) on a case-by-case basis 500 ft (152 meters) of the previously licensed site where no un.

the standard contour prediction methods should be available when evaluation. We do not characterize alternative contour prediction we agree that alternative contour prediction methods should be used the Commission allows the use of alternate prediction methods prodemonstrate adequate coverage of the community of license, or to would be writing the principal community contour (70 dBu). Ho from full-service stations for the purpose of demonstrating a lecomplicate the rule that we are attempting to simplify, with litt prediction method calculations is resource-intensive and requires supplemental studies often leads to disputes involving the use of corwith significant processing delays. Therefore, we will not permit a for interference showings.

18. Finally, several commenters suggest that one or more extended to other groups of short-spaced stations, such as stations the of Section 73.207 in Docket 80-90 (1983), or stations short-spaced jour stations short-spaced pursuant to Section 73.215, 12 or even "short stations. 13 However, these comments are clearly beyond the scort developing the proposals set forth in the Notice, we identified a pawere defective and difficult to administer. The Notice was specific narrowly defined group of grandfathered stations. We did not adday short-spacing circumstances. Therefore, we decline to enlarge the sepre-1964 grandfathered short-spaced stations.

19. Conclusion. We believe that the current rules should flexibility when co-channel and first-adjacent channel grandfathered providing this flexibility should not jeopardize another station's ability we will adopt Proposal I as set forth in the Notice. All grandfathered transmitter location and increase or decrease facilities, subject to maximum power and height requirements set forth in 47 C.F.R. §

<sup>&</sup>quot;Stations covered under rule Sections 73.213(b) & (c) became short-sp changes after 1964.

<sup>&</sup>lt;sup>12</sup> Stations that are authorized as "contour protection stations" pursuant after October 2, 1989, and did so of their own volition. These stations we overlap would be created with the short-spaced station. See Amendment of Permit Short-Spaced FM Station Assignments by Using Directional Antenna

Exection 73.509 does not set forth required spacings for co-channel educational stations. Rather, it prohibits the overlap of certain pairs of signal sometimes refer to stations in violation of this rule as "short-spaced."

proposing modifications under the Section 73.213(a) rules adopted herein must document its pre-1964 grandfathered status.

### Proposal 2.

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20. Eliminate both the second- and third-adjacent channel spacing requirements for grandfathered short-spaced stations. The Notice proposed to revise Section 73.213(a) to remove all spacing requirements for grandfathered second- and third-adjacent channel stations. This proposal would restore the previous Section 73.213 rule used between 1964 and 1987, and would permit second and thirdaiready exist. second and third-adjacent grandfathered short-spaced stations proposing a new transmitter site. The more restrictive standard would not permit prohibited contour overlap if prohibited contour overlap did not Notice also proposed, as an alternative, a more restrictive standard that allowed limited flexibility for adjacent channel grandfathered stations to implement maximum class facilities, and/or change transmitter site with complete flexibility on second-adjacent channel and third-adjacent channel short-spacings. \* The

### Comments & Discussion:

- 21. General support. Of the parties providing initial and reply comments on this proposal, most agree that we should completely eliminate second- and third-adjacent spacing requirements for grandfathered stations. The Joint Petitioners fully support the original Proposal 2, and specifically reject the alternative proposal put forth in Paragraph 26 of the Notice. AFCCE supports the original Proposal 2, and states that it is "the most essential part of the simplified procedure." Maillaney supports the original Proposal 2. CII fully supports Proposal 2, stating that today's receivers are seldom affected by second-and third-adjacent channel interference.
- 22. Media-Corn, Inc. and Group M Communications, Inc. both support Proposal 2 and state that current second- and third-adjacent channel restrictions have prevented grandfathered stations from improving, or even maintaining existing service areas. Compass Radio of San Diego, Inc. ("Compass") fully supports Proposal 2, stating that adoption would facilitate improvement of station facilities, along with eliminating a significant amount of unnecessary workload on the Commission's staff. Compass" comments include specific examples of stations that have operated with second- or third-adjacent overlap, without receiving interference complaints. NAB submitted comments supporting new requirements that would allow for the relaxation, but not elimination, of second and third-adjacent requirements that would allow for grandfathered stations. NAB states that "[w]ith full recognition of the generally negative position taken by NAB in our 1991 comments...and in light of the historical, technical foundation of these earlier comments. NAB believes there may be ways that some grandfathered FM stations could be allowed to modify facilities in a fashion that would not result in significant new interference nor would be at odds with related FCC policies applicable to such changes."
- 23. Scope. The scope of this item is specifically limited to FM stations at locations authorized prior to November 16, 1964, that did not meet the separation distances required by Section 73.207 and have remained continuously short-spaced since that time. The Notice specifically invited any parties to assist the Commission in identifying how many grandfathered stations exist so that they could be classified in the Commission's engineering database. NAB performed an analysis and submitted extensive

MAB's comments state that the number of second- and third-ad NAB's comments state that the number of possible grandfathere stations is 312, out of a total of 5,429 authorized FM stations (5.79 stations is 312, out of a total of 5,429 authorized FM stations (5.79 stations became short that number is too high, since many of these stations became short that number 180-90, MM Docket 88-375, the contour protection s as BC Docket 80-90, MM Docket 88-375, the contour protection s as BC Docket 80-90, MM Docket 88-375, the contour protection s as HC Docket 80-90, MM Docket 80-9

group of stations. NAB contracted engineering consultant Thor general potential impact that second-adjacent channel short-spaci Keller's study included test results of pan automotive receivers. Kelle stationary operation, and one portable "bounday" receiver. Kelle stationary operation, and one portable "bounday" receiver. Kelle current FM separation requirements." NAB states that "...refurement in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better rejection of second and third-adjacent channe in some cases, better

- 25. As stated in the *Notice*, we have "no intention of relax adjacent channel specing requirements as allotment and applicat returning to the exact standard that was used between 1964 an stations. Thus, our proposal remains aimed exclusively at this su
- 26. Additional Criteria. NAB agrees that second- an stations are in need of relief from the current Section 73.213 rule technical integrity of the broadcast media must be preserved and ecorp. ("Eleven-Fifty") believe that second- and third-adjacent should be required to submit supplemental documentation der approved by the Commission. NAB proposed four criteria approved by the Commission. NAB proposed four criteria
- (1) the modification would result in a net decrease interference caused by the applicant to other FM station
- (2) the modification would result in a net decrease in the applicant to other FM stations;
- (3) any site change would not be to a location near a n
- (4) any site change would be within a "buffer zone" are the criteria are designed to provide "tailored relief to grandfat assure that any proposal would not adversely affect the short-spa that these requirements would qualify an applicant for a "rebuttab be provided," shifting the burden onto the potentially affected to should not be granted, thereby preserving the technical integrit

<sup>&</sup>lt;sup>14</sup> See Fourth Report and Order in Revision of FM Broadcast Rules, Particularly as to Allocation and Technical Standards, 40 FCC 868 (1964).

Federal Communications Com

states that the rights of the potentially affected grandfathered stations would be preserved by adhering to these criteria

- we did not receive interference complaints resulting from such modifications. We believe that the small potential for interference is outweighed by facilitating the ability of this small group of stations to change potential for interference is outweighed by facilitating the ability of this small group of stations to change actually a substitution of service in that area. In the period between 1964 and 1987, when second- and grandfathered stations. However, such interference is in the immediate area of the transmitter and it is We recognize there is a minimal risk of interference between second and third-adjacent channel third-adjacent channel grandfathered stations were able to modify facilities without spacing requirements
- relatively small areas of interference caused by second- and third-adjacent channel stations. It would also require the staff to establish rules to define what constitutes a major thoroughfare. Therefore, we decline to impose on this limited universe of stations the additional burdens suggested by NAB. document its proximity to a "main thoroughfare" would increase the burden on applicants and the Commission, and increase the processing time for each application. It is also unnecessary due to the criteria would hinder the result we are trying to achieve by promoting unnecessary appeals and litigation. Compass believes that NAB's proposed criteria have no reasonable technical basis. Infinity reasserts that receivers would imply mobile receivers are typically able to reject unwanted second-adjacent channel the FCC is simply proposing a previously used and tested rule. We believe that requiring a station to interference. In addition, Compass, Mt. Wilson, Infinity, and Odyssey all agree that NAB's proposed
- universe of stations. 29. Conclusion. As the majority of the commenters in this proceeding agree, we believe that reinstatement of the pre-1987 rules regarding second and third-adjacent channel grandfathered stations would best serve the public interest. We see little advantage to require additional exhibits from spacing requirements as allotment and assignment criteria for any group except pre-1964 grandfathered stations. Therefore, we are adopting Proposal 2, as originally set forth in the Notice, only for this limited far outweighed by the improvement in flexibility and improved service. In addition, as stated in Paragraph 25 of the Notice, we have no intention of relaxing second-adjacent-channel and third-adjacent-channel grandfathered stations proposing site changes or facility modifications. The small risk of interference is

### Proposal 3.

30. Eliminate the need to obtain agreements between grandfathered short-spaced stations proposing increased facilities. The Notice proposed to revise Section 73.213(a) to eliminate the need for of allowing mutual increases.15 grandfathered stations to obtain agreements to modify facilities pursuant to 47 C.F.R. § 73.4235. The  $\lambda_{ollice}$  stated that the 1975 Public Notice ("Agreement Notice") is rarely used today for its original purpose The Agreement Notice is now typically used to justify unilateral

28. NAB's proposal also included a requirement that a transmitter site change "would not be to a location near a major traffic thoroughfare — a site move that could create massive interference to the mobile radio audience." However, as stated above, Keller's limited test results on a small number of 27. NAB's proposed criteria are designed to prevent increases in "...the number of listeners experiencing interference..." and "...the land area of interference caused by the applicant to other stations." transmitter site or modify facilities.

Comments & Discussion:

- Proposal 3 to eliminate the need to obtain agreements by grandfa Davis and Chagal Communications support adoption of Proposa supportive of all three Proposals, without specific mention of Pr AFCCE also supports the elimination of agreements. Compass "en should be eliminated, while a few parties disagree with the adoptio 'agree that such agreements are unnecessary and would simply fire 31. Of the initial and reply comments on this proposal
- and require a "higher level" of public interest to justify grant c ("Kelsho") suggests that the Commission has "no good reasons policy." Odyssey Communications, Inc. ("Odyssey") opposes and encouraged by the Commission." Inc. ("Spanish") avers that agreements that "improve service and the policy for its intended purposes of promoting mutual increase believes it will have a harmful effect on stations and the public 32. In opposition to Proposal 3, Mullaney suggests that
- receive new service, along with those receiving interference, assu stations increasing facilities pursuant to an agreement to submit mutual increase agreement. This is very similar to what we are Agreement Notice stated that the public interest showing must in original purpose of providing for mutual increases by grandfat apply to changes in transmitter location. Furthermore, the Agre first-adjacent channel stations. The Agreement Notice also state 33. Conclusion. The provisions set forth in the Agree
- station. Second and third-adjacent channel grandfathered that weren't previously permitted under the Agreement Notice. requirements and co-channel and first-adjacent stations will be a using Proposals 1 and 2 above, that in the past required a writte caused must be served upon the licensee(s) of the affected s proposing predicted interference caused in any areas where in Since we are eliminating the requirement for agreements, out Proposals are aimed at establishing that each proposal would se continue to require agreements along with public interest show objections against such applications. The proposed rules will longer be involved in the modification process for proposals that by another broadcaster. As stated in the Notice, we find that to obtain an agreement from another short-spaced station is tan potentially affected parties to examine the proposal and prov Therefore, we will require that a copy of any application for co past, affected parties were notified of another applicant's propos or the public. Therefore, we will eliminate the requirement for serves its original purpose and can be eliminated without any h 34. Under the rules adopted herein, most applicants w

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changes and other facility modifications, while preserving or improving the overall technical integrity of the changes and other facility modifications, while preserving or improving the overall technical integrity of the proving the FM band. Our experience working with the current rule guides us to adopt these changes in our the FM band. Our experience working with the current rule guides us to adopt these changes in our grandfathered short-spacing rules. Co-channel and first-adjacent channel grandfathered stations will be grandfathered short-spacing rules. Co-channel and first-adjacent channel grandfathered stations. enable us to more accurately predict and control interference. Eligible grandfathered stations will be able able to make modifications and improvements using straight-forward interference calculations. This will provide this group of grandfathered stations with significantly greater flexibility in making transmitter site channel short-spacings. Finally, grandfathered stations will no longer need to obtain agreements from to propose facility modifications without regard to existing grandfathered second- and third-adjacent We believe that the modified procedures and related rule revisions adopted herein will

other grandfathered stations before proposing modifications.

36. Accordingly, to the extent provided herein, we amend Section 73.213(a) of our Rules and delete Section 73.4235. As set forth in the *Notice*, the Commission will process any such waiver requests which remain pending as of the effective date of this Order in accordance with the revised rule.

### ORDERING CLAUSES

37. Accordingly, IT IS ORDERED that pursuant to the authority contained in Sections 4(i), 303(r), and 307(c) of the Communications Act of 1934, as amended, 47 C.F.R. Part 73 IS AMENDED 303(r), and 307(c) of the Communications Act of 1934, as amended, 47 C.F.R. Part 73 IS AMENDED

as set forth in Appendix A below. 38. IT IS FURTHER ORDERED that the requirements and regulations established in this Report

or upon receipt by Congress of a report in compliance with the Contract with America Advancement Act of 1996, Pub. L. No. 104-121, whichever date is later. and Order WILL BECOME EFFECTIVE 60 days from the date of publication in the Federal Register,

For further information contact Jim Bradshaw of the Audio Services Division, Wass Media

Bureau at (202)-418-2740, or by e-mail at jbrodsha@fcc.gov.

FEDERAL COMMUNICATIONS COMMISSION

William F. Caton

applications under the revised standards adopted herein and delegate to the Chief of the Mass Media Bureau authority but which may comply with Section 73.213(a) as modified in this Order. We direct the staff to reconsider these in this proceeding. We also are aware that there is now one application before the Commission which requests a to waive Section 73.213 prior to the effective date of this Order where the public interest would be served. Any Section 73.213 waiver granted by staff prior to the effective date of the Order shall be subject to the final outcome their restricted status following adoption of the Order. delegation. See File No. BPH-910612ID, Oceanside, CA. We remind all parties that all contested applications retain Section 73.213 waiver and remand this application to the Mass Media Bureau for reconsideration consistent with this "The Mass Media Bureau has identified several pending applications which seek waivers of the current rule

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47 C.F.R. Part 73 is revised as follows:

PART 73 - RADIO BROADCAST SERVICES

The authority citation for Part 73 continues to read as follow

Authority: 47 U.S.C. 154, 303

Section 73.213 is revised to read as follows:

# §73.213 Grandfathered short-spaced stations

accordance with paragraph (a)(1) of this section, or that (ii) a sl accordance with paragraph (a)(1) of this section that demonstrates that the public interest v (a)(2) of this section that demonstrates required by \$73.207 and have remained continuously short-spa (a) Stations at locations authorized prior to November 16, 1964 ( relocated with respect to such short-spaced stations, provide interference-free service would receive co-channel or first-adja

(1) The F(50,50) curves in Figure 1 of §73.333 of this 1 to \$73.313(c), (d)(2) and (d)(3), using data for as ma proposed effective radiated power and antenna height at this part are to be used in conjunction with the proportion location of the desired (service) field strength. The F for as many radials as necessary, to determine the le height above average terrain, as calculated pursuant t strength. Predicted interference is defined to exist on B1 station, and 1 mV/m (60 dBu) for any other class field strength exceeds 0.5 mV/m (54 dBu) for a Class

(i) Co-channel interference is predicted to ( 40 dBu or more for predicted interference (e.g., where the protected field strength is 6 20 dB below the desired (service) F(50,50) i locations where the undesired (interfering sta

a value 6 dB below the desired (service) (ii) First-adjacent channel interference is preconsidered (e.g., where the protected field s at all locations where the undesired (interfi must be 54 dBu or more for predicted into

total area and population subject to co-channel or served by the changes proposed in an application (2) For co-channel and first-adjacent channel statio

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result of new co-channel or first-adjacent-channel interference has adequate aural services remaining. For the purpose of this Section, adequate service is defined as 5 or more aural services (AM or FM). increased. In all cases, the applicant must also show that any area predicted to lose service as a inserference caused by the proposed facility to each short-spaced station individually is not demonstrating that the area and the population subject to co-charmel or first-adjacent channel received, would be maintained or decreased. In addition, the showing must include exhibits

(3) For co-channel and first-adjacent-channel stations, a copy of any application proposing interference caused in any areas where interference is not currently caused must be served upon interference caused in any areas where interference is not currently caused must be served upon the licensee(s) of the affected short-spaced station(s).

(4) For stations covered by this rule, there are no distance separation or interference protection requirements with respect to second-adjacent and third-adjacent channel short-spacings that have

existed continuously since November 16, 1964.

Section 73.4235 is deleted.

List of Commenters

Initial Comments Association of Federal Communications Consulting Engineers

Barnstable Broadcasting, Inc. Chagal Communications Brown Broadcasting Service, Inc. Compass Radio of San Diego, Inc. Communications Technologies, Inc.

John J. Davis Harvard Radio Broadcasting Co., Inc. Harfield & Dawson; duTreil, Lundin & Rackley, Eleven-Fifty Corp. Group M Communications, Inc. Gallagher & Associates Cohen, Dippell & Everist

Jarad Broadcasting KALL-FM Inc. Kelsho Radio Group, Inc. Media-Com, Inc. Livingston Radio Company Liberman Broadcasting, Inc. Mullaney Engineering, Inc. Renard Communications Corp. Odyssey Communications, Inc. National Association of Broadcasters Harold Munn, Jr. WIBO-WKGO Corporation WPNT, Inc. Taxi Productions, Inc. WTUC, Richard L. Harvey Z Spanish Radio Network, Inc. WYCQ, Inc.

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Reply Comments Barry Broadcasting Company Barden Broadcasting, Inc. Alpeak Broadcasting Corporation Educational Information Corporation Compass Radio of San Diego, Inc. Berkshire Broadcasting Corporation Greater Media Radio Company Kelsho Radio Group, Inc. Infinity Broadcasting Corporation Media-Com, Inc. Livingston Radio Company Mt Wilson FM Broadcasters, Inc. Metro TV, Inc. Odyssey Communications, Inc. National Association of Black Owned Broadcasters Paxson Communications Corporation National Association of Broadcasters WIBO-WKGO Corporation Carl E. Smith Pinnacle Southeast, Inc. WTUC, Richard L. Harvey WYCQ, Inc.

"Alpeak") "Barry") "Greater") "Barden" Compass" Berkshire" "Kelsho") "Media-Com") "NAB") "Mr. Wilson" Metro") "Livingston") ("Paxson") "Odyssey" Infinity" "Smith") "NABOB" "Pinnacle" WIBO" WYCO" ALC

APPENDIX C

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PAPERWORK REDUCTION ACT S

and Budget ("ONB") for review under the PRA. ONB, the ge the Paperwork Reduction Act of 1995 ("PRA"). It has been su are invited to comment on the new or modified information co This Report and Order contains new or modified infort

FINAL REGULATORY FLEXIBILI

Notice. The Commission's Final Regulatory Flexibility Anal conforms to the RFA as amended. Spaced FM Stations is The Commission sought written publi flexibility issues in the Notice of Proposed Rulemaking in the As required by the Regulatory Flexibility Actin (RFA

# A. Need For and Objectives of the Rules:

proposing transmitter site changes or facility modifications field strength contour is not extended toward the 1 mV/m The Commission's Rules currently require pre-1964

the current rule with a simple rule based on straight forwards current rule with a simple rule based on straight forwards for second and third-adjaceliminate spacing requirements for second and third-adjaceliminate spacing requirements. which it is short-spaced. This rule was found to be overly interpretations. The Commission therefore proposed revis By making these changes, grandfathered stations

changing transmitter site or proposing facility modification filing a minor change application. The new regulations the public, with minimal impact on existing stations. The in 47 C.F.R. § 73.213(a) (see Appendix A of this Repor from the Commission. The exact circumstances in whic

# B. Summary of Significant Issues Raised by Public

Flexibility Analysis: contained in the Notice of Proposed Rulemaking. How effects of the proposed rule changes on FM licenses, No comments were received specifically in res

17 See 5 U.S.C. § 603.

18 Notice of Proposed Rulemaking in MM Docket No.

Contract with America Advancement Act of 1996, Pub L. the Notice was issued prior to enactment of the amendra of the CWAAA is the "Small Business Regulatory Enfon 19 See 5 U.S.C. § 604. The Regulatory Flexibility Ac

commenters favored the rule changes proposed, with minor changes, some of which have been incorporated into the rules specified in Appendix A of this Report and Order.

# C. Description and Estimate of the Number of Small Entities To Which the Rule Will Apply:

The RFA generally defines "small entity" as having the same meaning as the terms "small business," "small organization," and "small governmental jurisdiction" and the same meaning as the term "small business concern" under the Small Business Act unless the Commission has developed one or more definitions that are appropriate for its activities. A small business concern is one which: (1) is independently owned and operated; (2) is not dominant in its field of operation; and (3) satisfies any additional criteria established by the Small Business Administration (SBA). According to the SBA's regulations, entities engaged in radio broadcasting (Standard Industrial Classification ("SIC") Code 4832 for radio) may have a maximum of \$10.5 million in annual receipts in order to qualify as a small business concern. 13 C.F.R. §§ 121.201. This standard also applies in determining whether an entity is a small business for purposes of the Regulatory Flexibility Act.

Pursuant to 5 U.S.C. § 601(3), the statutory definition of a small business applies "unless an agency after consultation with the Office of Advocacy of the SBA and after opportunity for public comment, establishes one or more definitions of such term which are appropriate to the activities of the agency and publishes such definition(s) in the Federal Register." While we tentatively believe that the foregoing definition of "small business" greatly overstates the number of radio broadcast

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stations that are small businesses and is not suitable for purpose rules on small business, we did not propose an alternative defurance on small business, we did not propose an alternative defundance.

Analysis. Accordingly, for purposes of this Report and Order, Analysis. Accordingly, for purposes of this Report and Order and a more suitable definition of "small businesses to which the rules a more suitable definition of "small businesses" as applied to rad a more suitable definition of "small businesses as applied to rad a more suitable definition of "small entities that are radio further the issue of the number of small entities that are radio this FRFA, we will identify the different classes of small radio rules adopted in this Report and Order.

### Commercial Radio Services:

The rules and policies adopted in this Order will apply potential licensees. The SBA defines a radio broadcasting state annual receipts as a small business. A radio broadcasting state annual receipts as a small business. A radio broadcasting state annual receipts as a small business. A radio broadcasting state commercial religious, educational, and other radio stations. Included religious, educational, and other radio stations. Included religious, educations which are separate establicincluded. However, radio stations which are separate establicing radio program material are classified under another producing radio program material are classified under another revenue in 1992. Official Commission records indicate that operating in 1992. As of March, 1997, official Commission stations were operating.

It is estimated that the proposed rules will affect about of which are small businesses. These estimates are based or and may overstate the number of small entities since the revenues from non-radio affiliated compact include aggregate revenues from non-radio affiliated compact include aggregate revenues from non-radio affiliated compact.

<sup>&</sup>lt;sup>20</sup> 5 U.S.C. § 601(3) (incorporating by reference the definition of "small business concern" in 15 U.S.C. § 632). Pursuant to 5 U.S.C. § 601(3), the statutory definition of a small business applies "unless an agency after consultation with the Office of Advocacy of the Small Business Administration and after opportunity for public comment, establishes one or more definitions of such term which are appropriate to the activities of the agency and publishes such definition(s) in the Federal Register.

<sup>21</sup> Small Business Act, 15 U.S.C. § 632 (1996)

<sup>(1996),</sup> we requested commenters to provide profile data about small telecommunications businesses in particular future. See Report and Order in NM Docket 93-48 (Children's Television Programming), 11 FCC Red 10660, 10737-38 (1996), citing 5 U.S.C. 601 (3). In our Notice of Inquiry in GN Docket No. 96-113B, In the matter of issue of the number of small entities that are radio and television broadcasters or other small media entities in the broadcast stations or other entities subject to the rules adopted in this Report and Order and to consider further the we reserve the right to adopt a more suitable definition of "small business" as applied to radio and television the SBA's definition in determining the number of small businesses to which the proposed rules would apply, but of the proposals on small radio and television stations. However, for purposes of this Report and Order, we utilize <sup>22</sup> We tentatively conclude that the SBA's definition of "small business" greatly overstates the number of radio and television broadcast stations that are small businesses and is not suitable for purposes of determining the impact sufficient for relief,  $eg \gtrsim 10$  or fewer full-time employees; (2) based on operation in a small market; or (3) based on to whether relief should be afforded to stations: (1) based on small staff and what size staff would be considered Additionally, in our Order and Notice of Proposed Rodemaking in MM Docket 96-16, in the Matter of Streamlining 1996, which requires us to identify market entry barriers and to prescribe regulations to eliminate those barriers. as to how to define small businesses for purposes of implementing Section 257 of the Telecommunications Act of services, including television and radio, and the market entry barriers they encounter, and we also sought comment Section 257 Proceeding to Identify and Eliminate Market Entry Barriers for Small Businesses, 11 FCC Rcd 6280 operation in a market with a small minority work force. the Commission's Rules to Include EEO Forfeiture Guidelines, 11 FCC Rcd 5154 (1996), we invited comment as Broxida EEO Rides and Policies, Vacating the EEO Forfeiture Policy Statement and Amending Section 1.80 of

<sup>29 13</sup> C.F.R. § 121.201, SIC 4832

<sup>&</sup>lt;sup>24</sup> Economics and Statistics Administration, Bureau of Census, U.Appendix A-9.

<sup>15</sup> Id.

pl or

<sup>27</sup> Id.

<sup>28</sup> The Census Bureau counts radio stations located at the same co-located AMFM combination counts as one establishment.

FCC News Release No. 31327, Jan. 13, 1993

<sup>\*\*</sup> FCC News Release No. 64958, Sept. 6, 1996

<sup>&</sup>lt;sup>31</sup> We use the 96% figure of radio station establishments with lest and apply it to the 12,088 individual station count to arrive at 11,6

# Federal Communications Commission

Alternative Classification of Small Stations An alternative way to classify small radio stations is the number of employees. The

full-time employees are exempted from certain EEO reporting and record keeping requirements.

full-time employees are exempted from certain EEO reporting and record keeping requirements.

full-time employees are exempted from certain EEO reporting and record keeping requirements.

full-time employees are exempted from certain EEO reporting and record keeping requirements.

full-time employees are exempted from certain EEO reporting and record keeping requirements. Commission currently applies a standard based on the number of employees in administering its Equal Employment Opportunity Rule (EEO) for broadcasting. Thus, radio stations with fewer than five.

approximately 120.34

D. Projected Compliance Requirements of the Rule: Applicants filing a modification application will be required to provide similar exhibits to This information may consist of an interference

those currently required for a construction permit. or first-adjacent channel interference using the desired to undesired signal strength ratio interference analysis showing that no area previously receiving interference-free service would receive co-channel

calculation method. demonstrating that the total area and population subject to co-channel or first-adjacent channel interest would be served by the changes proposed in an application must include exhibits interference, caused and received, would be maintained or decreased. In addition, the showing must include exhibits demonstrating that the area and the population subject to co-channel or first-adjacent channel interference caused by the proposed facility to each short-spaced station individually is not of new co-channel or first-adjacent-channel interference has adequate aural service remaining. For increased. In all cases, the applicant must also show that any area predicted to lose service as a result applicant proposing interference caused in an area where interference is not caused must serve its these purposes, adequate service is defined as 5 or more sural services (AM or FM). Finally, any application upon the licensec(s) of the affected short-spaced station(s). The above-listed requirements Alternatively, for co-channel and first-adjacent channel applicants, a showing that the public

prior to the requirement of approval by the SBA pursuant to Section 3(a) of the Small Business Act, 15 U.S.C. Administration Reauthorization and Amendments Act of 1994, Public Law 103-403, § 301, 108 Stat. 4187 (1994). 1992, Public Law 102-366, § 222(b)(1), 106 Stat. 999 (1992), as further amended by the Small Business 632(a), as amended by Section 222 of the Small Business Credit and Business Opportunity Enhancement Act of The Commission's definition of a small proadcast station for purposes of applying its EEO rules was adopted

However, this definition was adopted after the public notice and the opportunity for comment. See Report and Order in Docket No. 18244, 23 FCC 2d 430 (1970), 35 FR 8925 (June 6, 1970). licensees with five or more full-time employees). First Report and Order in Docket No. 21474 (Amendment of Broudeast Equal Employment Opportunity Rules and FCC Form 395), 70 FCC 2d 1466 (1979), 50 FR 50329 (December 10, 1985). The Commission is currently considering how to decrease the administrative burdens imposed the EEO Forfeiture Policy Statement and Amending Section 1.80 of the Commission's Rules to Include EEO forfeiture Policy Statement and Amending Section 1.80 of the Commission's Rules to Include EEO forfeiture (valuelines), 11 FCC Rod 5154 (1996), 61 FR 9964 (March 12, 1996). One option under consideration for feature (valuelines), 11 FCC Rod 5154 (1996), 61 FR 9964 (March 12, 1996). by the EEO rule on small stations while maintaining the effectiveness of our broadcast EEO enforcement. Order and Notice of Proposed Rule Making in MM Docket 96-16 (Streamlining Broadcast EEO Rule and Policies, Vacating is whether to define a small station for purposes of affording such relief as on with ten or fewer employees. 13 See: 5.2., 47 C.F.R. § 73.3612 (Requirement to file annual employment reports on Form 395 applies to

Employment Branch, Mass Media Bureau, FCC. \*\* Compilation of 1994 Broadcast Station Annual Employment Reports (FCC Form 395B), Equal Opportunity

are similar to the interference exhibits required by the previous ru

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Second-adjacent and third-adjacent channel grandfathered submit interference exhibits, therefore reducing the filing burden

for the Commission to verify compliance with its rules and regu grandfathered broadcast stations. Most permittees and licensess procedures will reduce the time and expense required to implem this to change significantly by the adoption of the new rules an engineers or legal coursel, or both in preparing construction per needed for the preparation of the simplified applications will be waiver requests, translating into time and money savings for th The information required with a modification application

E. Significant Alternatives Considered Minimizing the Eco

Consistent with the Stated Objectives: adjacent grandfathered applicants will be reduced. Modificat similar to the requirements under the previous rule section. submitted under the previous rules. The rule and policy char lesser amounts of information be submitted to the Commission impact, as eligible entities, including small entities, will be a transmitter site changes that were previously inhibited by th informal objections against a modification application, just a application on the licensee(s) of the affected station(s). applicant proposing to cause interference in an area previou The burdens on co-channel and first-adjacent-chan

F. Report to Congress

The Secretary shall send a copy of this Final Regulatory F and Order in a report to Congress pursuant to Section 251 Enforcement Fairness Act of 1996, codified at 5 U.S.C. §

be published in the Federal Register.

\* \* 3 7 0

s Commission 2, 20554

TICE

Released July 29, 1988

TIC, PACIFIC BELL, THWESTERN BELL OST MANUALS

tablished

approved the manuals of is at least 60 days prior to containing the methods n 1987, and the Common nditionally approving the ie carriers to periodically ate. Carriers must submit hange the cost categories , or change the way that Bureau stated that the ortunity to comment on C Red 1298 (1987), the ephone companies to file providing regulated telef nonregulated activities.

panies propose to revise logics. The Bell Atlantic time, and revisions to its terminology (which they impanies filed proposed manuals that describe the chanisms. (U S West filed the notice requirement.) add cost pools in certain onment methodology for I proposes a change in its chanisms. Pacific Bell and t apportionment tables.

August 15, 1988. Replies the proposed revisions to

ices, Inc., 2100 M Street, (02) 857-3800. Copies are room, Room 812, 2000 L ns may be obtained from on in the Accounting and

ct Alicia Dunnigan, (202)

ONS COMMISSION

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### ~PRH

Federal Communications Commission Record Federal Communications Commission Washington, D.C. 20554 Before the J FCC Red No. 16

In re Application of

RAMAPO INDIAN HILLS File No. BPED-821013AD SCHOOL DISTRICT REGIONAL HIGH

For Modification of Noncommercial Educational Station WRRH (FM) Franklin Lakes, New Jersey MEMORANDUM OPINION AND ORDER

Released: August 12, 1988 Adopted: July 26, 1988;

By the Commission:

the July 14, 1986 denial of the applicant's petition for reconsideration of the dismissal and return of its abovegional High School District (Ramapo), licensee of Station WRRH (FM), Franklin Lakes, New Jersey, arising out of 1. The Commission has before it for consideration an application for review filed by Ramapo Indian Hills Recaptioned application for modification of facilities.

proposal would have increased WRRH's coverage area by approximately 190%, it would also have violeted Section approximately 190%, it would also have violeted Section overlap of its signal with the signals of the hestone second-adjacent channel facilities of noncommercial educational stations WEDU (Tennect, New Second and WEGO (Newart, New Jersey). Although patently not in WRGO (Newart, New Jersey). accordance with the Commission's Rules, Ramapo's appropriate request for plication was accompanied by the appropriate request for plication was accompanied to found acceptable for filing purveiver, and was therefore found acceptable for filing purveiver. New Jersey, Ramapo filed an application to upgrade its facilities to minimum Class A (100-watt) status. While this cred mutually exclusive with an application filed by Wilnotifying potential applicants of the October 21, 1982 'cut-off" date for the filing of applications to be consid-FM station on Channel 204 (88.7 MHz) from its George Street transmitting antenna location in Franklin Lakes. New Jersey | In response to the Commission's Public No-tice A-52 (Mimeo No. 6396, released September 15, 1982) liam Paterson State College Student Cooperative Association (File No. BPED-820330AM) to serve Wayne, Ramapo has been licensed since 1963 to operate WRRH as a Class D (11)-watt) noncommercial educational suant to Section 73.3566(a) of the Commission's Rules.

Media Bureau denied Ramapo's waiver request, ruling that Ramapo failed to substantiate its de minimit interferharmen in data on the population in the service to the area served by the Ramapo Indian Hills High School District Rumapo Application, at page 2-9 of Engineering Exhibit. On November 6, 1984, the Mass the increase was necessary to continue interference. free 3. In its waiver request, Ramapo claimed that the power increase would cause small amounts of interference to the protected service contours of WBGO and WI DU, but that

Ramapo failed to demonstrate that its proposal was the most technically fessible method to improve its facilities Letter to Bud Van Gunderson from Latry D. Eads, Chief. Audio Services Division

vas a cons not munually control wince it was renewal applications of WBGO and WFDU" since it was for since it was the licenses of the and accepted at the time that the licenses of the since that the licenses of the since that the licenses of the since it was the since it was a second at the since it was a reconsideration, the Bureau granted William Paterson's pre-grant right to claim mutual exclusivity with the WBGO and WFDU renewal applications its post-grant right (pursuant to Section 1 106) to request newal applications. Having denied Ramapo's request for upgrade and noting that the applicant expressly stated in Section I, Item 5 of its application (presently Section I, Item 3) that its application was now mutually exclusive further stated that Ramapo failed to exercise either to (BRED-840201BG and BRED-840201DK, respectively) or reconsideration of the May 17, 1984 grants of these reto Donald E Marin, P. C from Larry D. Eads. Chief. Audio Services Division, dated July 14, 1986. The Bureau Ramapo's request for reconsideration, again emphasizing lation which would be adversely affected by the proposed position, at paragraph 4. The Mass Media Burenu dented second studio site at Indian Hills High School in Oakland affected interference area as "among the most densely populated regions in New Jersey" and claimed that a result of implementation of Ramapo's proposal " Op-position, at paragraph 5. Fairfeigh Dickenson also suggested their move of Ramapo's transmitting fecility to its that Ramapo's waiver request failed to quantify the popuconsideration of this action, repeating its claim of definitions interference and arguing for the first time that it In its opposition to Ramapo's petition, Fairfelgh Dickinson University, licensee of FM station WFDU, described the "thousands of people would suffer ruinous interference as Township could result in interference-free operations Opwas "a bona fide mutually exclusive applicant with the deration, at page 3. Therefore, Ramapo claimed that it was 4. Ramapo petitioned on December 20, 1984, for re-WBGO and WFDU expired on June 1, 1984 " Reconsientitled to consolidation with these renewal proceedings application to serve Wayne, New Jersey-

Commission. Joint Opposition to Application for Review. application in pending status so that "years later, it can he considered on a mulually exclusive basis with a renewal that the denial of its waiver request did not defeat the application's acceptability against a renewal application Application for Review, at page b in opposition, Fairfeigh of WBGO(FM), argue that Ramapo's application and waiver request clearly indicate that it wished to avoid plicant through a spost-toc rationalization as to why its application should be given further consideration by the Commission policy favors the retention of a defective mutual exclusivity with WBGO and WFDU and Ramaphi violation of Section 309 of the Communications Act, the Ashbacker decision, and the line of cases following it" and right to a comparative hearing with the WBGO and WFDU renewal applications Specifically, Ramapo alleges that its application "was dismissed without a hearing in Dickinson University and Newark Public Radio, licensee cannot now claim the rights of a mutually exclusive ap-5. In its participant for review, Ramapo fails to challenge the Bureau's denial of its request for waiver of \$73.509 and concentrates entirely on its alleged procedural application." Id. at page 5

by require that the ap-ng." The determination tly involve conflicting y exclusive only when it ould effectively preclude nother's does not, 1950 imission on an informal ailable data." Mansfield F FCC, 306 U.S. 327 claim by one applicant LUC Broadcasumg Co. ation for review denied. 55, 158 (1966), reconsi-

st day of the last full, it license terror". This de "a date certain, prior with pending license Side of the Rules reense term, by which the ewal applicant may be ule Making in Docket This procedure "should sons interested in filing mutually exclusive aption permit applicant)," our rules, of the fixed in given geographical e requirement for the ons 90 |now 120 | days nt license term." Id., at ith license renewal ap-

po could have claimed

rovide the Commission ntaining the continuing e Commission, Having es that applications be any additional or core of decisional signifif decisional significance s response to Section I, reby indicating that it ly exclusine with these waiver to avoid a connerwise know [and] at WBGO and WFDU tton for Review, at page not simply require apn of matters we "might rule imposes upon apinformation contained d to change its proposal the WBGO and WFDU ve with those stations' O and WFDU renewal cation prior to the May e to file such an amendte purpose of Section 1

Ramapo's responsibility to inform the Commission of its desired change in status or excuse its failure to file a § .65 amendment.

Ramapo was required pursuant to 47 C.F.R § application form and, when that information was "no 303(r)) and with the specific intent of Section 1.65 to place upon applicants the responsibility for reporting any substantial change "in circumstances pertaining to basic qualifications and factors urged as basis for grant or a With seven renewals of its original license (BLED-388) to erning the license renewal process. "We expect a diligent applicant to apprise litself of the applicable Commission those requirements." Bronco Broadcasting Co., Inc., 58 FCC 2d 909, 912 (1976). We can only conclude, therefore, diligence rather than of any miscarriage of Commission 73.3514(a) to provide all the information called for in its longer substantially accurate or complete in all significant respects," to amend its application pursuant to 47 C.L.R. § discretion afforded the Commission by Section 154(j) of procedures "as will hest conduce to the proper dispatch of business and to the ends of justice" (See also, 47 U.S.C. § comparative preference." Report and Order in Docket 18467, 3 RR 2d 1622, 1624 (1964). As a seasoned licensee ing a substantial change in its status against the WHGO and WFDU license renewal applications is inexplicable. regulations and to take steps necessary to comply with claim of mutual exclusivity is the result of its own tack of 1.65 This procedure is consistent with both the wide the Communications Act of 1934, as amended, to fashion date. Ramapo should be fully cognizant of the rules govthat Ramapo's acknowledged failure in making a timely of 25 years duration, Ramapo's lack of diligence in reportprocessing routines.

WBGO and WFDU renewals since all three applications could be granted if a waiver of the allegedly de minimis overlap was granted, and that this was Ramapu's desired result. This implicit suggestion was confirmed by Ramapo's negative response to Section 1, Item 5. Once advised that the showing in support of its waiver request lacked critical information. Ramapo cannot simply change course and assert the rights of a mutually exclusive applicant nearly eight months after the cut-off date for filing aprenewal applications. Moreover, since the possibility of a waiver, given the appropriate showing, has never been rejected out of hand, it can not be said that grant of the dicates, by virtue of the prohibited overlap, that its application is mutually exclusive with the WBGO and WFDU renewals and it is therefore clear that all three applications cannot be granted. Citing Mansfeld Broad-cating Company, 8 RR 2d 155, Ramapo claims that a renewals precludes grant of its own application.<sup>7</sup> This argument is without merit. In requesting a waiver of 47 C.F.R. § 73.509, Ramapo implicitly suggested that its prorenewal applications and seven months after grant of these 10. Finally, Ramapo claims that its waiver request inhearing is warranted in this case because grant of the posal was not to be considered mutually exclusive with the plications mutually exclusive with the WBGO and WI-DU renewals precluded grant of Ramapo's proposal

could have supplemented the waiver request to provide the necessary information on the population affected by the proposed changes, it chose not to do so. Ramapo the proposed changes, it chose not to do so. Ramapo the proposed changes it chose not to do so advise the several options available to it. Upon receiving notice that its request for waiver tacked critical information. Ramapo 11. At various stages in this proceeding, Ramajor had

ain a waiver of § 73 509

ne staff reasonably cond WIDU renewals. The e WBGO and WFDU

any way cuber satisfy

Federal Communications Commission Record

we agree with WBGO and WFDU that Ramapo cannot be permitted to fashion a "post-hoe rationalization" for giving have requested, through a timely filed petition for reconsideration, that these grants be set aside and that its applica-Because Ramapo failed to exercise any of these options. ally exclusive with the WBGO and WFDU tenewals. Again, no such amendment was filed Finally, once the WHGO and WEDU renewals were granted, Ramapu could tion be consolidated with those renewal proceedings. Commission that its proposal was to be considered mulu-

12. Accordingly, IT IS ORDERED, That the application for review filed by Ramapo Indian Hills Regional High its application further consideration. School District IS DENIED.

13. IT IS FURTHER ORDERED, That the Chief, Mass Media Bureau, shail send, by Certified Mail-Return Receipt Requested, a copy of this Memorandum Opinion and Order to each of the parties to this proceeding.

FEDERAL COMMUNICATIONS COMMISSION

H. Walker Feaster, III Acting Secretary FOOTNOTES

selves from this requirement and, ultimately, reclassification to their facilities to at least the minimum Class A level of 100 watts nels, to Channel 200 or to the least-preclusive reserved band (noncommercial) channel. Those stations seeking to exempt themclass D secondary status, could file an application to increase In the Second Report and Order in Docket 20735, 13 Fed. which defeats the opportunity for other more efficient operations which could serve larger areas." Accordingly, the Commission directed such licensees to move their Class D operations, in preferential order, to one of the nonreserved (commercial) chanoperations [10-watt] cannot be permitted to function in a manner Reg. 397(H, 39708 (1978), the Commission ruled that "low power effective radiated power.

t Public Nouice B-34 (Mimeo Nu. 3023; released March 21,

J Specifically, the Bureau noted that Ramapo failed to address alternative solutions to the potential interference problem such as the utilization of a directional antenna and/or a reduction in the antenna height above average terrain.

WBGO's renewal was rescinded July 3, 1984, based on that application's established mutual exclusivity with Drew Univer-WFDU renewals on May 17, 1984. In an unrelated action. sity's proposal (File No. BPH-831212AE) to upgrade its Madison. 4 The deadline for filing applications mutually exclusive with Because no applications claiming mutual exclusivity with these renewals had been filed, the Bureau granted the WBCO and the WBGO and WFDU renewal applications was May 1, 1984. New Jersey facilities in Class A status.

usely to this question thereby expressly representing that its 340 specifically requests whether the application being filed is requires the applicant to identify the call sign and community of Section 1, Item 5 (presently Section 1, Item 3) of FCC Form mutually exclusive with a license renewal application and, if so, license of the station seeking renewal. Ramapo responded negaapplication was not mutually exclusive with any license renewal

non v. FCC, 832 F 2d, 189, 193 (D.C. Cir. 1987), cuing biorec Bioadeasing, 351 U.S. at 202, 205, 76-S. C., 31-770, 771-72 (1991) nor hold a hearing on applications it rejects for laiting to misel is by archermore, it is well established that the Commission need technical acceptance rules, Columbia Communitations Corpora

Since Ramapo's references are contained within Mansfield, we application from a larger group of mutally exclusive applications and consolidate it for hearing with another application not in the group. The Commission held that no prohibited overlap existed between the two applications and the grant of one application would not therefore preclude grant of the other Ramapo mis takenly iriles this citation (Scean County Radio Broadcasting In Manafield, the Commission refused to sever a pending AM will use the correct title in the body of this Order